

**PROPOSAL TO FURNISH AND DELIVER
TRANSFORMER PAINTING & INSPECTION SERVICES
FOR THE FLORIDA MUNICIPAL POWER AGENCY
JOINT PURCHASE PROJECT**

I have carefully examined the Invitation to Bid, Terms and Conditions, Technical Specifications, Bid Forms, and any other documents accompanying or made a part of this Invitation. With full knowledge and understanding of the aforesaid, I agree to abide by all conditions of this bid.

I hereby propose to furnish the service and materials specified in the Invitation at the prices quoted in my bid as indicated in the appropriate spaces on this and the attached BF-2 and BF-3.

I certify that I am duly authorized to submit this bid on behalf of the vendor and that the vendor is ready, willing and able to perform if awarded the bid.

Prompt Payment Discount: N/A % for payment made within N/A days of delivery.

I agree to deliver to the designated place as appropriate as indicated on BF-2 and BF-3.

Prices quoted shall remain firm and irrevocable for a period of 365 days.

ADDENDA. The undersigned bidder acknowledges receipt of the following addenda, which have been considered in preparing this proposal (if applicable).

Number	<u>1</u>	Dated	<u>June 21, 2021</u>
Number	_____	Dated	_____
Number	_____	Dated	_____

Respectfully submitted:

Company Name: Osmose Utilities Services, Inc.

Signature: _____
(Authorized Representative)

John Rigney - Chief Administrative and Legal Officer
(Type or Print Name of Signer)

Address: 635 Highway 74 South Peachtree City, Georgia 30269

E-Mail Address: OsmoseContracts@osmose.com

Telephone Number: 770-632-6700

Toll Free Number: N/A

Fax Number: 678-364-0844

Date: July 15, 2021

BIDFORMS

Zone 1, 2, 3, and 5 (excluding The City of Homestead)

Description of Work	Price per unit
* Visual Inspection - transformer	\$42.20
* Visual Inspection - switchgear (ex: S&C PME-11)	\$42.20
* Visual Inspection - junction cabinet	\$42.20
Infrared Scan	\$5.70
Picture	\$4.84
GPS Data	\$0.00
Correction of GPS/Map Location	\$4.50
Affix Utility Label	\$1.42
Ground Resistance Test	\$3.50
Rodent/Ant Nest & Mound Removal	\$26.50
<i>Fault Indicators</i>	
1) Install Fault Indicators - clip-on style	\$16.55
2) Install Fault Indicators - with external indicator	\$21.47
3) Reset Fault Indicators	\$4.00
Replace/Install Arrestor	No Bid
<i>Rework Secondary Connections</i>	
1 - 2 Service Conductors	No Bid
2 - 4 Service Conductors	No Bid
> 5 Service Conductors	No Bid
Pentahead mechanism replaced	\$19.37
Repair hasp	\$19.95
Pentahead bolt replacement	\$10.78
Replace cabinet lock	\$8.63
Repair broken or disc. ground wire bond	\$14.50
<i>Excavate Cabinet</i>	
Small: Below 167 KVA	\$15.48
Medium: 167 kva to 333 kva	\$27.33
Large: 33 kva to 1500 kva	\$42.90
Prune/cut/trim/remove shrubbery of brush	\$27.95
Excessive rust removal by grinding	\$51.31
Washout repair	\$21.33

Application of Rodenticide/Insecticide	
Size	Price per unit
Small: Below 167 KVA	\$2.86
Medium: 167 KVA to 333 KVA	\$5.14
Large: 333 KVA to 1500 KVA	\$7.42
Cabinet Leveling	
Size	Price per unit
Small: Below 167 KVA	\$45.61
Medium: 167 KVA to 333 KVA	\$54.74
Large: 333 KVA to 1500 KVA	\$63.86
Cabinet Repair	
Replace sill (provided by utility)	\$79.18
Cabinet Repair - repair/patch small holes	
Below 1/2" diameter	\$56.45
Repair holes 1/2" to 3/4" diameter	\$67.86

Comments:
* - Please note, this price includes external and internal inspection.

Transportation Costs: cost per crew, including mileage and man-hours

(Please see Location Map on Page TC-14)

Transportation from Bidder's Facility to Zone 1	\$1,147.02
Transportation from Bidder's Facility to Zone 2	\$819.30
Transportation from Bidder's Facility to Zone 3	\$819.30
Transportation from Bidder's Facility to Zone 4	\$1,638.60
Transportation from Bidder's Facility to Zone 5	\$1,966.32

Hourly Rate (if applicable)

Hourly Rate Foreman And Truck	\$100.26
Hourly Rate Crewmember	\$63.60

Is there a minimum requirement for mobilization?

If yes, please provide requirement: Transportation fee per zone annually to perform regular scheduled inspections and/or painting. Special request outside regular scheduled annual work may require an additional transportation fee.

PAINTING

FMPA TRANSFORMERS PAINTING AND INSPECTION SERVICES - ITB# 2021-114
BIDFORMS

Zone 1, 2, 3, and 5 (excluding The City of Homestead)

Painting Cabinet	
Size	Price per unit
Small transformer: Below 167 kVA	\$171.00
Medium transformer: 167 KVA to 333 kVA	\$339.00
Large transformer: 333 KVA to 1500 kVA	\$433.00
Paint switchgear (ex: S&C PME-11)	\$353.00
Paint switchgear - 3 ϕ junction cabinet	\$202.00
Paint switchgear - 1 ϕ junction cabinet	\$168.00

Transportation Costs: cost per crew, including mileage and man-hours

(Please see Location Map on Page TC-14)

Transportation from Bidder's Facility to Zone 1	\$1,147.02
Transportation from Bidder's Facility to Zone 2	\$819.30
Transportation from Bidder's Facility to Zone 3	\$819.30
Transportation from Bidder's Facility to Zone 4	\$1,638.60
Transportation from Bidder's Facility to Zone 5	\$1,966.32

Hourly Rate Foreman And Truck

\$100.26

Hourly Rate (if applicable)

Hourly Rate Crewmember

\$63.60

Is there a minimum requirement for mobilization?

If yes, please provide requirement: Transportation fee per zone annually to perform regular scheduled inspections and/or painting. Special request outside regular scheduled annual work may require an additional transportation fee.

BIDFORMS

Zone 4 and The City of Homestead (Zone 3)

Description of Work	Price per unit
* Visual Inspection - transformer	\$48.98
* Visual Inspection - switchgear (ex: S&C PME-11)	\$48.98
* Visual Inspection - junction cabinet	\$48.98
Infrared Scan	\$5.70
Picture	\$4.84
GPS Data	\$0.00
Correction of GPS/Map Location	\$4.50
Affix Utility Label	\$1.42
Ground Resistance Test	\$3.50
Rodent/Ant Nest & Mound Removal	\$26.50
<i>Fault Indicators</i>	
1) Install Fault Indicators - clip-on style	\$16.55
2) Install Fault Indicators - with external indicator	\$21.47
3) Reset Fault Indicators	\$4.00
Replace/Install Arrestor	No Bid
<i>Rework Secondary Connections</i>	
1 - 2 Service Conductors	No Bid
2 - 4 Service Conductors	No Bid
> 5 Service Conductors	No Bid
Pentahead mechanism replaced	\$19.37
Repair hasp	\$19.95
Pentahead bolt replacement	\$10.78
Replace cabinet lock	\$8.63
Repair broken or disc. ground wire bond	\$14.50
<i>Excavate Cabinet</i>	
Small: Below 167 KVA	\$29.90
Medium: 167 kva to 333 kva	\$39.90
Large: 33 kva to 1500 kva	\$65.77
Prune/cut/trim/remove shrubbery of brush	\$27.95
Excessive rust removal by grinding	\$51.31
Washout repair	\$21.33

Application of Rodenticide/Insecticide	
Size	Price per unit
Small: Below 167 KVA	\$2.86
Medium: 167 KVA to 333 KVA	\$5.14
Large: 333 KVA to 1500 KVA	\$7.42
Cabinet Leveling	
Size	Price per unit
Small: Below 167 KVA	\$45.61
Medium: 167 KVA to 333 KVA	\$54.74
Large: 333 KVA to 1500 KVA	\$63.86
Cabinet Repair	
Replace sill (provided by utility)	\$79.18
Cabinet Repair - repair/patch small holes	
Below 1/2" diameter	\$56.45
Repair holes 1/2" to 3/4" diameter	\$67.86

Comments:
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Transportation Costs: cost per crew, including mileage and man-hours

(Please see Location Map on Page TC-14)

Transportation from Bidder's Facility to Zone 1	\$1,147.02
Transportation from Bidder's Facility to Zone 2	\$819.30
Transportation from Bidder's Facility to Zone 3	\$819.30
Transportation from Bidder's Facility to Zone 4	\$1,638.60
Transportation from Bidder's Facility to Zone 5	\$1,966.32

Hourly Rate (if applicable)	Hourly Rate Foreman And Truck \$100.26
	Hourly Rate Crewmember \$63.60

Is there a minimum requirement for mobilization?

If yes, please provide requirement: Transportation fee per zone annually to perform regular scheduled inspections and/or painting. Special request outside regular scheduled annual work may require an additional transportation fee.

PAINTING

FMPA TRANSFORMERS PAINTING AND INSPECTION SERVICES - ITB# 2021-114
BIDFORMS

Zone 4 and The City of Homestead (Zone 3)

Painting Cabinet	
Size	Price per unit
Small transformer: Below 167 kVA	\$191.65
Medium transformer: 167 KVA to 333 kVA	\$367.25
Large transformer: 333 KVA to 1500 kVA	\$487.55
Paint switchgear (ex: S&C PME-11)	\$387.80
Paint switchgear - 3 ϕ junction cabinet	\$237.88
Paint switchgear - 1 ϕ junction cabinet	\$187.25

Transportation Costs: cost per crew, including mileage and man-hours

(Please see Location Map on Page TC-14)

Transportation from Bidder's Facility to Zone 1	\$1,147.02
Transportation from Bidder's Facility to Zone 2	\$819.30
Transportation from Bidder's Facility to Zone 3	\$819.30
Transportation from Bidder's Facility to Zone 4	\$1,638.60
Transportation from Bidder's Facility to Zone 5	\$1,966.32

Hourly Rate Foreman And Truck \$100.26

Hourly Rate Crewmember \$63.60

Hourly Rate (if applicable)

Is there a minimum requirement for mobilization?

If yes, please provide requirement: Transportation fee per zone annually to perform regular scheduled inspections and/or painting. Special request outside regular scheduled annual work may require an additional transportation fee.

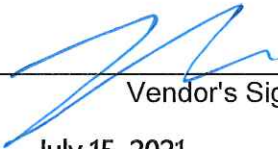
DRUG-FREE WORKPLACE COMPLIANCE FORM

IDENTICAL TIE BIDS

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing the bids will be followed if none of the ties vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

The undersigned vendor in accordance with Florida Statue 287.087 hereby certifies that Osmose Utilities Services, Inc. does:
(Name of business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Subsection 1.
4. In the statement specified in Subsection 1, notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 1893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.



Vendor's Signature
July 15, 2021

Date

As the person authorized to sign the statement, I certify that this form complies fully with the above requirements.

**TRANSFORMER PAINTING & INSPECTION SERVICES
AFFIDAVIT OF COMPLIANCE
FMPA Bid No. 2021-114**

☐ We DO NOT take exception to the Bid Specifications.
☒ We TAKE exception to the Bid Specifications as follows:

Please see our Recommended Attorney Revisions to FMPA's Joint Purchase
Project Bid within our proposal.

Company Name: Osmose Utilities Services, Inc.

By:


(Authorized Person's Signature)

John Rigney - Chief Administrative and Legal Officer
(Print or type name and title of signer)

Company Address: 635 Highway 74 South Peachtree City, Georgia 30269

E-Mail Address: OsmoseContracts@Osmose.com

Telephone Number: 770-632-6700

Toll Free Number: N/A

Fax Number: 678-364-0844

Date: July 15, 2021

Recommended Attorney Revisions to FMPA's Joint Purchase Project Bid

Below are recommended revisions to FMPA's Joint Purchase Project Bid from our Attorney. In order to be fair and equitable to both parties and to ensure that contractual language is applicable to the specifics of the scope of work, Osmose reviews all contracts with our legal department; most likely your company performs similar reviews.

If you have any questions or concerns, or if you would like to resolve any issues regarding our revisions, please do not hesitate to contact our Attorney, Mr. Brandon Veasey, at (770) 632-6787.

This is not intended to delay the bid process and we are confident all issues can be resolved prior to the start of the project. It is our intent to be a reliable vendor for years to come.

FLORIDA MUNICIPAL POWER AGENCY JOINT PURCHASE PROJECT TERMS AND CONDITIONS

12. ESCALATION/DE-ESCALATION

Bid prices shall remain firm for a period of one year from the date of award. At the time the option to renew is to be exercised, the bid prices may be changed for the following reasons:

- 12.4 All written requests for price increases must include back-up documentation as to the nature of the increase and shall be submitted to FMPA at least 30 days prior to renewal of contract. Approval of each request shall be by written confirmation from FMPA. If FMPA should consider said increase unwarranted or unreasonable, FMPA reserves the right to terminate the contract with the vendor and re-advertise or select a second supplier. ~~Any price decreases at the service provider's level shall be reflected in an immediate reduction of the bid prices and the vendor shall notify FMPA and the Project Participating Member(s) of said decrease.~~

15. RESERVED RIGHTS

15.4 FMPA reserves the right to make such investigation as it deems necessary to make this determination. Such information may include but shall not be limited to: ~~current financial statement~~, verification of availability of equipment and personnel, and past performance records.

32. INDEMNITY

After notification of award, the successful bidder shall indemnify and save harmless FMPA and its Members from and against all claims, suits, actions, damages, or causes or action arising during the terms of the resulting agreement for any personal injury, loss of life, or damage to property ~~sustained by reason of a result of the caused by the negligent~~ performance of the services or delivery of goods for which the resulting agreement was entered into, ~~or its agents, employees, invitees, and all other persons~~, and for and against any orders, judgments, or decrees, which maybe entered thereto, and from and against all costs, reasonable attorney's fees, expenses and liabilities incurred in or by reason the defense of any such claim, suit or action, and the investigation therefore. In the event of joint or concurrent negligence between the successful bidder and FMPA and its Members, each party shall be responsible for the percentage of negligence attributed to it by agreement between the parties or in a court of competent jurisdiction.

Nothing in the award, resulting agreement, contract or Purchase Order shall be deemed to affect the rights, privileges and immunities of FMPA and its Members as set forth in Florida Statute 768.28.

The successful bidder(s) covenants and agrees to indemnify and save harmless FMPA and its Members and to defend from all cost, expenses, damages, reasonable attorney's fees, injury or loss to which FMPA and its Members may be subjected ~~by any person, firm, corporation, or organization that is caused by reason of~~ any wrongdoing, misconduct, want, or need of care or skill, negligence or default or breach of contract, guaranty, or warranty, by the successful bidder(s), his employees, his agents or assigns.

42. ROYALTIES AND PATENTS

The successful bidder(s) shall pay all royalties and license fees for equipment or processes in conjunction with the service purchased, and shall defend all suits or claims for infringement of any patent right(s). FMPA shall be held harmless from loss on account thereof and any cost and reasonable attorney's fee incurred therefore.

49. SERVICES WARRANTIES

49.1 WARRANTY OF SERVICES

Awarded bidder warrants that the services performed hereunder will reflect competent professional knowledge and judgment. If ParticipatingMembers gives the Awarded Bidder notice within a ~~reasonable~~ period of one (1) year after the services are completed that any services are defective Awarded Bidder shall re-perform such nonconforming services at no additional cost to the Participating Member.

49.2 Remedy

For a period of one (1) year after performance of the services,
~~If~~ Awarded Bidder breaches the warranty of care, Awarded Bidder shall upon Notice from Participating Member and without additional compensation, correct or revise any errors or deficiencies in the Work Products, and other Services.

52. LIQUIDATED DAMAGES

~~52.1 If Awarded bidder fails to complete specified Work on or before the dates specified by a Participating Member, in a particular Participant Contract or Purchase Order, Awarded bidder shall pay Participant the amounts listed below for each and every calendar day, including Sundays and holidays (as specified by the Participating Member), starting on the day following the date specified by Participating Member, until the date the Work is completed and Accepted by the Participating Member.~~

<u>Activity</u>	<u>Amount</u>
a) Delivery	\$1,000.00
b) Other	\$100.00

~~52.2 Awarded bidder understands and agrees that said daily sum is to be paid not as a penalty but as compensation to the Participating Member for fixed and reasonable liquidated damages due to losses that Participating Member will suffer because of such default, whether through increased administrative and engineering cost, interference with Participating Member's normal operation, other tangible and intangible costs, or otherwise, which costs will be impossible or impractical to measure or ascertain with any reasonable specificity.~~

~~52.3 Liquidated damages may, at Participating Member's sole discretion, be deducted from any monies held by Participating Member that are otherwise payable to Awarded bidder.~~

~~52.4 Awarded bidder's payment of liquidated damages shall in no way relieve the Awarded bidder of any other obligations under this agreement, a Participant Contract or Purchase Order.~~

FMPA PADMOUNTED EQUIPMENT PAINTING & INSPECTION SERVICES TECHNICAL SPECIFICATION

1.0 SCOPE

This specification sets forth ~~minimum~~ requirements, duties, responsibilities and expected performance of a firm (Awarded Bidder) for painting and the safety inspection of pad-mounted transformers, switchgear, primary termination cabinets and secondary termination cabinets. This specification addresses the requirements for the application of protective coatings on the exterior steel surfaces of transformers. All bidders must have experience working on or around equipment energized at voltages up to 27,000 volts. Contractor shall furnish labor, supervision, insurance, transportation, tools and equipment, new paint and cleaning materials as required to refinish transformers, switchgear and other electrical enclosures. Utility will provide the locks, warning stickers and stickers for letters and numbers

3.0 APPLICABLE LICENSES, BONDING, INSURANCE AND MINIMUM QUALIFICATIONS

INDEMNIFICATION BY CONTRACTOR

The Contractor shall indemnify and hold harmless FMPA Members and its officers, agents and employees, from any liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the Contractor and person employed or used by the Contractor in the performance of this Contract. In the event of joint or concurrent negligence between Contractor and FMPA Members, each party shall be responsible for the percentage of negligence attributed to it by agreement between the parties or in a court of competent jurisdiction.

5.0 GENERAL REQUIREMENTS

5.3 Quality Control

A quality control inspection shall be performed for each time period of not less than one week's work but not to exceed two week's work. The quality control will be conducted with the Awarded Bidder's supervisor and a representative of Utility. The quality control inspection shall consist of the complete re-inspection of the equipment selected by Utility to compare the results shown on the report inspection sheets with those existing in the field. At least three (3) pieces of Utility equipment will be selected for each quality control, by Utility.

All work shall be performed in strict accordance with the manufacturer's recommendations, referenced codes/standards, and this specification. Conflicts shall be brought to the attention of the Owner's representative for resolution. Adjustments to the specification must be in writing and signed by both the Awarded Bidder and owner.

Abnormal conditions in structures, supports, and equipment, ~~etc.~~ (i.e. severe corrosion, cracks, leaks, ~~etc.~~) shall be identified and reported to the Owner's representative. Required repairs shall be performed prior to coating operations.

5.4 INSURANCE

The Awarded Bidder shall, at its own expense, procure and maintain until final acceptance of the work, with insurers acceptable to the FMPA terms and conditions, the types and amounts of insurance conforming to the minimum requirements set forth herein. The Awarded Bidder shall not commence work until the required insurance is in force and evidence of insurance acceptable to the FMPA terms and conditions has been provided to and approved by the participants of this bid. With respect to the Workers' Compensation Insurance, General Liability Insurance, and Automobile Liability Insurance, an appropriate Certificate of Insurance (which verifies inclusion of the participating utilities as an Additional Insured in the General Liability coverage, and includes a thirty (30) day written notice of cancellation to each Owner for all coverage's) shall be satisfactory evidence of insurance. Additional Insured Status will be written on ISO form CG 20 10 12 19. FMPA and its participating utilities' status as Additional Insured shall only apply to the alleged negligent acts or failure to act by the Awarded Bidder. Until such insurance is no longer required by this Contract, Awarded Bidder shall provide Owners with renewal or replacement evidence of insurance at least thirty (30) days as soon as reasonably possible prior to the expiration of termination of such insurance.

Commercial General Liability - The limits are to be applicable only to work performed under this contract and shall be those that would be provided with the attachment of the Amendment of Limits of Insurancee (Designated Project or Premises) endorsement (ISO Form CG 25 01) to on a Commercial General Liability Policy with the following minimum limits:

General Aggregate	<u>\$ThreeTwo</u>
	Times The
	Each
	Occurrence
	Limit
Products/Completed Operations Aggregate	\$1,000,000
Personal and Advertising Injury	\$ 500,000
Each Occurrence	\$ 500,000
Fire Damage (any one fire)	\$ Nil
Medical Expense (any one person)	\$ Nil

Contractor shall require that its insurer name each FMPA Member (and if required, the Engineer) as Additional Insured (ISO Form CG 20 10 12 19) on the Contractors Commercial General Liability Policy (inclusive of amounts provided by an Umbrella or excess policy). The status of each FMPA Member (and if required, the Engineer) as Additional Insured shall only apply to the alleged negligent acts or failure to act by Contractor.

The insurance provided by the Contractor shall apply on a primary basis. Any insurance, or self-insurance, maintained by the FMPA Members shall be excess of and shall not contribute with the insurance provided by the Contractor. Except as otherwise specified, no deductible or self-insured retention is permitted.

5. 5.5 INSURANCE (specific to Keys Energy Services)

The Awarded Bidder shall, at its own expense, procure and maintain until final acceptance of the work, with insurers acceptable to the FMPA terms and conditions, the types and amounts of insurance conforming to the minimum requirements set forth herein. The Awarded Bidder shall not commence work until the required insurance is in force and evidence of insurance acceptable to the FMPA terms and conditions has been provided to and approved by the participants of this bid. With respect to the Workers' Compensation Insurance, General Liability Insurance, and Automobile Liability Insurance, an appropriate Certificate of Insurance (which verifies inclusion of the participating utilities as an Additional Insured in the General Liability coverage, and includes a thirty (30) day written notice of cancellation to each Owner for all coverage's) shall be satisfactory evidence of insurance. Additional Insured Status will be written on ISO form CG 20 10 12 19. FMPA and its participating utilities' status as Additional Insured shall only apply to the alleged negligent acts or failure to act by the Awarded Bidder. Until such insurance is no longer required by this Contract, Awarded Bidder shall provide Owners with renewal or replacement evidence of insurance at least thirty (30) days as soon as reasonably possible prior to the expiration of termination of such insurance.

Commercial General Liability - The limits are to be applicable only to work performed under this contract and shall be those that would be provided with the attachment of the Amendment of Limits of Insurancee (Designated Project or Premises) endorsement (ISO Form CG 25 01) to on a Commercial General Liability Policy with the following minimum limits:

General Aggregate	\$2,000,000.00
Products/Completed Operations Aggregate	\$2,000,000.00
Personal and Advertising Injury	\$1,000,000.00
Each Occurrence	\$1,000,000.00
Fire Damage (any one fire)	\$ Nil
Medical Expense (any one person)	\$ Nil

Contractor shall require that its insurer name each FMPA Member (and if required, the Engineer) as Additional Insured (ISO Form CG 20 10 12 19) on the Contractors Commercial General Liability Policy (inclusive of amounts provided by an Umbrella or excess policy). The status of each FMPA Member (and if required, the Engineer) as Additional Insured shall only apply to the alleged negligent acts or failure to act by Contractor.

The insurance provided by the Contractor shall apply on a primary basis. Any insurance, or self-insurance, maintained by the FMPA Members shall be excess of and shall not contribute with the insurance provided by the Contractor. Except as otherwise specified, no deductible or self-insured retention is permitted.

6.0 SAFETY AND ENVIRONMENTAL REQUIREMENTS

All of the work shall be in compliance with and conform to the requirements of the National Electrical Safety Code (ANSI C2 1993, or latest edition); OSHA, EPA, DOT, and any other applicable safety standards. The Awarded Bidder will be required to furnish any and all safety equipment that may be required to accomplish the work. Awarded Bidder shall furnish documentation showing compliance with all regulations and codes pertaining to the work to be performed.

7.5 Restoration of Work Site

The Contractor shall leave the work areas clean and free of debris left from the work. The Contractor shall use proper drop cloths, masking and other measures to protect adjacent surfaces from accidental spraying, spattering or spilling. Adjacent surfaces that have been affected by the work shall be cleaned and all residues removed. The Contractor shall be responsible for, and shall correct and repair, any damage ~~resulting from caused by Contractor's negligent performance of~~ the work under this Contract.

7.5.1 Brush

Brush cutting and removal around padmount transformers to allow safe access to equipment for internal visual inspection will be the responsibility of the Awarded Bidder. The cutting, pruning, removal and disposal of shrubs to allow safe access to equipment shall be the responsibility of the Awarded Bidder. Grass and other debris will be removed from the immediate vicinity to allow safe access to equipment using a weed whacker.

8.6 Protection of Surfaces and Jobsite Cleanup

Throughout the work the contractor shall provide and use proper drop cloths, masking tapes, and other protective measures necessary to protect surfaces including oil or air pipe fittings, bushings, nameplates and connectors from accidental spraying, splattering, or spilling of paint, or spray, mists or vapors of material such as strippers. Surfaces that have been accidentally sprayed or splattered shall be thoroughly cleaned and all residues removed. The Contractor shall be responsible for, and shall correct and repair, any damaged condition ~~resulting from caused by~~ his operations or ~~from~~ the operations of those who are responsible to the Contractor. Any paint deposited on surfaces that are not being painted at the time shall be immediately removed.

Any exposed concrete or masonry not specified to be painted which is damaged by paint by Contractor shall be either removed and rebuilt; or, where so authorized by Beaches Energy Services, painted at the Contractor's expense with a complete paint system, as recommended by the paint manufacturer.

8.7 WARRANTY

The foregoing warranties, except as to title, shall apply to defects or deficiencies occurring within a period of one (1) year from Final Acceptance completion of the work provided the same is not unreasonably delayed by the Participating Member or others. If, however, during the above one (1) year warranty period the Equipment is not available for operation due to a failure to meet such warranties, such time of unavailability shall not be counted as part of the warranty period. The condition of any field tests shall be mutually agreed upon, and the Contractor shall be notified of and may be represented at all tests that may be made.

Any repaired or replacement part furnished under the foregoing warranty shall carry warranties on the same terms as set forth above for one (1) years from the date of its Final Acceptance the completion of the repair or replacement. The Contractor shall obtain written warranties from its Subcontractors and suppliers of Materials, Labor and Equipment components where such warranties are obtainable and shall deliver the original warranties to by the Participating Member.



Resilient Grids. Strong Networks. Safe Energy.

**PROPOSAL TO FURNISH AND DELIVER
TRANSFORMER PAINTING & INSPECTION
SERVICES FOR THE FLORIDA MUNICIPAL
POWER AGENCY JOINT PURCHASE
PROJECT**

~~Prompt Payment Discount: _____% for payment made within _____ days of delivery.~~

Attachments

- State of Florida Contractor License
- Kem Kromik Safety Data Sheet, Product Data Sheet, & Environmental Data Sheet
- Steel Master Safety Data Sheet, Product Data Sheet, & Environmental Data Sheet



Ron DeSantis, Governor

Halsey Beshears, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

GARDNER, THOMAS MATTHEW

OSMOSE UTILITIES SERVICES, INC.

635 HWY 74 SOUTH

PEACHTREE CITY GA 30269

LICENSE NUMBER: CGC1512308

EXPIRATION DATE: AUGUST 31, 2022

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**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

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**STATE OF FLORIDA DEPARTMENT
OF BUSINESS AND PROFESSIONAL
REGULATION**

CGC1512308
CERTIFIED GENERAL CONTRACTOR
GARDNER, THOMAS MATTHEW
OSMOSE UTILITIES SERVICES, INC.

ISSUED: 08/25/2020

Signature

LICENSED UNDER CHAPTER 489, FLORIDA STATUTES
EXPIRATION DATE: AUGUST 31, 2022

Ron DeSantis, Governor

Halsey Beshears, Secretary

**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD**

LICENSE NUMBER: CGC1512308

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THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

GARDNER, THOMAS MATTHEW
OSMOSE UTILITIES SERVICES, INC.
635 HWY 74 SOUTH
PEACHTREE CITY GA 30269



ISSUED: 08/25/2020

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Safety

Osmose considers their employees to be their most valuable resource; therefore, we strive to create the means for each person to maintain a safe and healthy work environment. With this statement as a premise, we have developed a safety program capable of harmonizing the standard operating procedures of our crews with the various specifications of our contracts.

1

SAFETY ORGANIZATION

The Central Safety Committee is comprised of Osmose corporate office personnel and field managers, with three subcommittees.

Safety Rules and Regulations

Establishes and reviews safe procedures for field operations.

Programs and Activities

Reports safety statistics, develops educational materials, and promotes safety.

Injury/Accident Investigation

Assists in the investigation process for injuries and accidents.

2

SAFETY TRAINING

Osmose provides a safety training curriculum for all employees, from Foremen to field workers to new corporate office employees.

- ✓ Foremen Training: classroom and on-the-job instruction for new Foremen
- ✓ In-house training for core services
- ✓ Training aids and materials including video library, safety manuals, emergency response guides, exams, and ongoing safety alerts

3

SAFETY MEETINGS

Territory Meetings

Each Osmose territory throughout the U.S. hosts two safety meetings per year for Foremen, Supervisors, and Managers in the geographic area.

Daily Meetings

Each Foreman is required to conduct at least one safety and quality meeting per week for crews.

Safety Audits

Supervisors conduct regular Safety Audits on each crew to verify safe operation and maintenance of vehicles and equipment, safe work practices and attitudes, and new employee safety training.

4

SAFETY AWARDS

We recognize workers with outstanding safety records with two safety award programs:

Safe Hour Award

Safe work hours are recorded for every crew on a weekly basis. At predetermined levels, such as 10,000 Safe Hours, each member of the crew receives a safety award and a certificate of recognition.

Safe Driver Program

Vehicle operators receive awards based on the number of years without a chargeable vehicle accident.

The number of recordable injuries has steadily decreased since the program's inception. This success reflects the program's effectiveness in promoting the safety of Osmose field personnel and ensuring that they are part of a safe and responsible service organization. Below is the Osmose Safety Record of recordable incidents from the last three years:

Year	Total Hours Worked	Lost Workday Injury Cases	Lost Workday Incident Rate	OSHA Recordable Injury Cases	OSHA Recordable Injury Rate
2018	5,193,886	0	0.00	27	1.04
2019	6,264,381	6	0.19	57	1.82
2020	7,157,713	0	0.00	51	1.43

Osmose®

Safety Manual

(As a note, this is only the table of contents. To obtain a full copy of the safety manual, a non-disclosure agreement will need to be executed. Please give us a call if this is needed)

Osmose Utilities Services, Inc.

SAFETY MANUAL

This manual is the property of Osmose Utilities Services, Inc. and is provided for use by its' Foremen, Crews and authorized personnel. The information contained in this document is **Confidential** and should be treated as such. No part of this Manual may be reproduced by any means or distributed to any person, organization or corporate entity without the express written consent of Osmose Utilities Services, Inc., 635 Highway 74 S, Peachtree City, GA 30269.

This manual was designed and written to promote safety, reduce on-the-job injuries and vehicle accidents. These guidelines for working and driving safely are to be followed to aid in the prevention of injuries and are to be considered company policy. Osmose Utilities Services, Inc. believes all injuries can be prevented, and it is everyone's responsibility to work toward that goal.

SAFETY POLICY

1. The management of Osmose Utilities Services, Inc. considers their fellow employees to be our most valuable resource; therefore, we strive to create the means for each person to create and maintain a safe and healthy work environment.
2. We believe all injuries can be prevented and that this is a realistic goal as well as everyone's responsibility. If a task is unsafe, we should work to make it safe or discontinue it.
3. Every employee is responsible for their actions and for preventing personal injuries and vehicle accidents. Particular attention should be given regarding the safety of fellow employees. Each member of supervision, including Foremen, must accept a portion of the responsibility for the safety of their people.
4. It is preferable to eliminate the sources of danger. However, where it is not reasonable or practical, supervision must resort to guards, safety devices and protective clothing as well as special procedures to reduce or eliminate the risk of injury.
5. Everyone must be trained to work safely. Each new employee must understand that it is to their advantage, as well as the company's to work safely and that they have a definite responsibility to do so. Adequate training of the individual is the responsibility of supervision, including Foremen.
6. Injury prevention is common sense as well as good business. In addition to humanitarian considerations, injuries cost money and reduce efficiency.
7. Safety is a condition of employment. When employees join the company, they are expected to accept our safety policies as an integral part of their job requirements.



Ron Childress
CEO
Osmose Utilities Services, Inc.

SAFETY PROGRAM SUMMARY

The management of Osmose Utilities Services, Inc. (Osmose) considers our fellow employees to be our most valuable resource; therefore, we strive to create the means for each person to create and maintain a safe and healthy work environment. With this statement as a foundation, Osmose has developed a comprehensive Safety Program to educate employees on standard operating procedures and safety guidelines for various field services.

The Central Safety Committee (CSC) consists of:

- President & CEO
- Vice Presidents (VPs)
- Safety Subcommittee Chairs
- Safety Director

The CSC meets regularly to discuss safety issues involving the field workforce. The goal is to be proactive concerning all safety topics and to supply field management with all necessary information to maintain a safe work environment.

Three subcommittees were also established as working arms of the CSC to assist in policy cultivation, literature development, recognition programs, injury and accident prevention and investigation, etc. These subcommittees consist of employees from all levels of management within the Company. A brief description of the subcommittees is as follows:

- **Rules and Regulations Subcommittee:** The Rules and Regulations Subcommittee establish and reviews rules for safe procedures in all field operations. The Rules and Regulations Sub-committee created, maintains and updates the Osmose Safety Manual, which governs every crew's operations.
- **Programs and Activities Subcommittee:** The Programs and Activities Subcommittee reports safety statistics develops educational materials and promotes safety through award programs and contests. The Programs and Activities Subcommittee also publishes safety correspondence, Weekly Safety Tips, and monthly safe driving topics; prepares mandatory topics and presentations for bi-annual group safety meetings, and distributes periodic Close Call and educational Safety Alerts to all employees.
- **Injury and Accident Investigation Subcommittee:** The Injury/Accident Investigation Sub-committee assists Osmose field management in the investigation process for injuries and accidents. The Injury/Accident Investigation Sub-committee performs root cause analysis of these events, and develops and maintains the procedures necessary to prevent recurrences. Finally, the Injury/Accident Investigation Subcommittee is dedicated to communicating accumulated information and training necessary to improve the Osmose Safety Program.

Operational Regions throughout the United States are responsible for hosting two (2) safety meetings per year which are attended by all Foremen, Supervisors, and Managers in their geographic area. This broad attendance provides a diverse perspective and experience from which to form the agenda topics. These meetings take place during the spring and fall seasons, and all attendees are compensated for the meeting and travel time.

Individual Foremen conduct a daily “tailgate” safety/quality meeting for their respective crews. A minimum of one safety meeting per week is required to be documented, signed by all participants, and submitted to the Supervisor on a [Weekly Safety and Briefing Report](#) form. Specific customer contractual requirements may vary regarding the documented frequency. Osmose provides Safety Tips for each week of the calendar year, and crews are encouraged to discuss additional safety concerns that correspond to their particular working conditions (weather, uneven terrain, poisonous plants, snakes, traffic control, etc.)

In conjunction with Quality Control checks, job Supervisors conduct at a minimum one (1) Safety Audit per month on each Osmose crew. These audits verify safe operation and maintenance of vehicles and equipment, safe work practices and attitudes, and new employee safety training. Also, Managers of Operations are required to perform a minimum of one (1) Management Safety Audit on each Supervisor during each quarter of the year (4/per year).

Comprehensive training material is developed for each type of diversified service Osmose field crews perform. These training materials are designed to meet and surpass the federal requirements as mandated by governmental agencies such as the Department of Transportation, the Occupational Safety and Health Administration, the Department of Labor, and the Environmental Protection Agency.

Osmose personnel receive in-house training for our core services which includes pole inspection and treatment, pole restoration, and data collection, inventory and asset management services. Osmose personnel receive specialized safety training for projects such as stray voltage testing, padmount inspections, and other field services that require specialized knowledge and heightened safety awareness.

Other training aids and educational materials include a New Employee Safety Checklist; Crew Safety Audits; Safety Video/CD library; drug and alcohol policy; Hazard Communication Program; Emergency Response Information in each work vehicle; PPE training; the Osmose Safety Manual; safety exams; safety/quality performance awards; periodic Close Call and educational Safety Alert flyers; Safety Correspondence binders for storage of weekly safety tips, Safety Alerts and miscellaneous safety information; and an Emergency Response Problem Guide.

To recognize workers with outstanding safety records and to promote a healthy safety competition between field crews, two safety award programs have been developed. The first (and probably most prestigious) of these is the Safe Crew Hour Award. Safe work hours are recorded for every crew on a weekly basis. At predetermined levels, such as 10,000 Safe Hours, each member of the crew receives a Safety Award and a Certificate of Recognition.

The second safety award program is the Safe Driver Program with vehicle operators receiving awards based on the number of years without a chargeable vehicle accident. Through this program, the company has established a series of checks and balances to ensure that all vehicle operators are properly qualified to drive. In addition to possessing a valid Driver's License, all vehicle operators must also pass a written exam with a score of 80% or better, and have an acceptable driving history as determined by a State Motor Vehicle Report (MVR). Drivers must also successfully complete a road test of approximately three (3) miles that demonstrates the drivers use of seat belts, turn signals, acceleration, knowledge of vehicle controls (wipers, lights, etc.), and knowledge of vehicle maintenance items to inspect before each operation. MVR's are generated for each qualified driver on an annual basis to confirm safe driving practices need to meet or surpass federally mandated requirements by governmental agencies such as the Department of Transportation (DOT), the Department of Labor (DOL) and the Environmental Protection Agency (EPA).

Another aspect of the Osmose Safety Program is the Safe Driver Program. Through this program, a series of checks and balances are put into action to ensure that vehicle drivers who operate Company owned and personal owned vehicles are properly qualified and capable of operating the vehicle they will be driving. In addition to possessing a valid Driver's License, all vehicle operators must also pass a written exam with a score of 70% or better and have an acceptable driving record. Drivers must successfully complete a road test to demonstrate the driver's use of seat belts, turn signals, acceleration, knowledge of vehicle controls (wipers, lights, etc.) and knowledge of vehicle maintenance items to inspect before each operation. Finally, the driving record for each driver is reviewed on an annual basis by requesting a motor vehicle report (MVR) to confirm a safe driving history.

Other aspects of the Company's' Safety Program encompass a safety video library, Drug and Alcohol-Free Workplace Policies, the Hazard Communications Program, Emergency Response Information in each vehicle, personal protective equipment, the Osmose Safety Manual, and safety exams.

The above is a brief summary of the Osmose Utilities Services Safety Program. To date, this program has been extremely successful and has been instrumental in a steady decrease in the number of injuries since the program's inception. This success is a reflection of the program's effectiveness in promoting the safety of Osmose field personnel and ensuring that they are part of a safe and responsible service organization.

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Job Hazard Analysis, Risk Assessment and Control Plan

Service Specific (Template)

Job Hazard/Risk Analysis and Control involves the process of identifying the specific hazards/risks associated with the job, instituting control measures (engineering/administrative/training) to reduce or remove the hazard or risk, then identifying the Procedure and Personal Protective Equipment (PPE) necessary to protect the worker.

Risk Assessments are performed for all jobs and associated steps and score based on the frequency, severity, and likelihood.

The objectives of Job Hazard Analysis and Risk Assessment are:

- a. To eliminate or control unsafe acts and conditions before they result in accidents or exposures that may produce injury and/or damage. While some conditions are beyond our control (i.e. wildlife, weather, terrain) we must use our best efforts towards working around or eliminating the causes or stop work until solutions are identified and implemented.
- b. Stimulate regular employee hazard/risk detection and control activity.
- c. Provide a mechanism for employees to formally report hazards/risks and to make safety recommendations (pages 7 – 8).
- d. Empower ALL employees to (STOP) and call a time-out when a hazard/risk is identified or observed. Communicate and investigate the potential hazard/risk and identify the solutions before continuing work. Employees will never be reprimanded for reporting potential hazards.

This Job Hazard/Risk Analysis and Control Plan shall be reviewed by the project supervisor or manager for any pole inspection & treatment project. Task-specific job hazard analysis and hazard control measures for wood pole inspection and treatment projects are pre-completed. Items that do not apply to a specific project should be deleted, and additional geographical or project specific hazards and protective measures added to the plan. This plan must be reviewed and updated before the commencement of a new project, and reviewed and modified every time there is a task, equipment, preservative product or crew configuration project scope change.

Since the worksite changes from pole-to-pole, changes in environmental conditions or topography do not require a plan update but should be discussed daily by the crew during a morning safety briefing.

A copy of each completed Job Hazard Analysis and Control Plan should be provided to the Project Manager and the corporate Safety Director.

Project Site Supervisor(s): _____
and various Osmose Foremen.

Project Health and Safety Representative: _____

JHA / RCA Plan Completed By: _____

Date Completed: _____

Description of the general job activity: To be completed for each specific service – general description of service being provided.

Identify all hazards/risks that will be encountered when performing this work. For each General Hazard/Risk Classification listed below, indicate if it applies to the project work. Additional project and/or location specific hazards can be recorded at the bottom of the chart. Descriptions of each hazard and control measures can be found on pages 3 – 6 following the chart.

General Hazard/Risk Classifications	Yes	No
Air Resources		
Asbestos Awareness		
Bloodborne Pathogens Exposure Control Plan		
Chemical Safety and Handling		
Confined Space Program (Permit-Required)		
Electrical Safety		
Electrical Enclosed Spaces		
Excavation and Trenching		
Fish, Wildlife, and Wetlands		
Fire Protection and Prevention		
Gas Enclosed Spaces		
Hazard Communication Program		
Hearing Conservation		
Insulation Materials (Non-Asbestos)		
Lead Management Program		
Lifting/Digging		
Management of Change		
Materials Handling		
Mechanical Equipment		
Mercury Management Program		
Noise		
Oil and Dielectric Fluid		
PCB Management		
Personal Protective Equipment		
Pesticide Use, Storage, and Disposal		
Respiratory Protection Program		
Sampling		
UTV Management		
Vehicle Management		
Waste Management		
Water Resources		
Welding and Burning		
Work Area Protection (Environmental)		
Working at Elevations		
Wildlife		
Other (specify):		

Examples of Potential Hazards listed below:

Hazard: Bloodborne Pathogens Exposure Control

Explain extent of Hazard: Anytime there is a potential for contact with blood, body fluids, or infectious materials such as broken glass, sharp objects, needles, etc., precautions must be taken.

PPE determined: When there is occupational exposure, Osmose will provide, at no cost to the employee, appropriate personal protective equipment such as, but not limited to: gloves, gowns, laboratory coats, face shields or masks, eye protection, mouthpieces, resuscitation bags, pocket masks, or other ventilation devices.

Personal protective equipment will be considered 'appropriate' only if it does not permit blood or other potentially infectious materials to pass through to or reach the employee's work clothes, street clothes, undergarments, skin, eyes, mouth, or other mucous membranes under normal conditions of use and for the duration of time that the protective equipment will be used.

Employee Training: More detailed instruction on first aid and bloodborne pathogens is communicated to employees through our bloodborne pathogen training program and corporate safety manual.

There is no reasonably anticipated contact with any potentially infectious materials during this work. Osmose requires that all employees who could face possible occupational exposure participate in a training program which is provided at no cost to the employee and during working hours. Training is provided as follows:

- At the time of initial assignment to tasks where occupational exposure may take place.
- Annual training for all employees within 1 year of previous training.

General precautions: Hand-washing facilities or products (antiseptic hand cleaner, etc.) must be readily available to all employees. All infectious material must be placed in appropriate, labeled containers (sharps containers, biohazard bags, etc.) and disposed of properly. All infected equipment and surfaces must be decontaminated with an appropriate disinfecting solution prior to re-use.

Hazard: Electrical Safety

Explain extent of Hazard: As it relates to downed wires and defective pole equipment.

PPE determined: Standard PPE

Employee Training: Employees receive on the job orientation and periodic training to identify electrical hazards, in addition to overhead training to identify overhead hazards.

NO CLIMBING WORK WILL BE CONDUCTED BY OSMOSE CREWS.

Hazard: Fire Protection and Prevention

Explain extent of Hazard: As it relates to vehicle/UTV fires

Administrative/Engineering Controls: Fire Extinguisher

PPE determined: Standard PPE

Employee Training: Employees receive on the job orientation and periodic training to identify and locate emergency equipment on each vehicle. A daily crew safety briefing shall be conducted and the closest hospital and emergency response team identified for that day's work. This includes parking of vehicles/UTVs and potential vegetation fires.

Hazard: Management of Change

Explain extent of Hazard: Deviations from the JHA that may impact Safety, Health and/or the Environment.

Administrative/Engineering Controls: Should any deviations from this JHA due to any change in working conditions or the scope of work be required which may have an adverse impact on Safety, Health and/or the Environment, the project will be stopped, and the JHA document and safeguards modified to reflect changes.

Examples of a change in working conditions or scope of work can include, but is not limited to the following:

- Unforeseen hazards not anticipated in the bidding process.
- Weather conditions that could affect worker safety.
- Unexpected changes in the scope of the project.

Employee Training: The Foreman will make sure the change of scope is approved by the project Supervisor and customer, and that the changes are addressed in the JHA or a daily Safety Briefing. All personnel will be appropriately trained to perform their job function under the changed conditions prior to being allowed to work under the changed conditions.

Hazard: Mechanical Equipment (Battery/Gas Powered Drills)

Explain extent of Hazard: As they relate to the potential for puncture, muscle strain or burn injuries.

Administrative/Engineering Controls: Inspect drills prior to use to verify that muffler guard is installed, the bit is sharp, and the drill is in an overall satisfactory condition.

PPE determined: General PPE requirements include the use of safety glasses, work gloves, and boots with sufficient ankle support and tread to maintain firm footing on rough uneven terrain.

Employee Training: Employees receive on the job training in the maintenance and safe operation of drills.

Hazard: Personal Protective Equipment

Explain extent of Hazard: General requirements to avoid traffic, head, hand and ankle injuries.

PPE determined: Standard PPE for all crew workers at the job site includes safety glasses, hard hats, gloves, safety boots, and class 2 high visibility vests. Additional PPE required for specific tasks are referenced in their respective hazard assessment sections.

Employee Training: Employees receive on the job orientation and periodic training in the identification, use, and maintenance of PPE.

Hazard: UTV (Utility Terrain Vehicle) Management

Explain extent of Hazard: General requirements to operate and control UTV's when transporting crew and equipment from structure to structure for inspections of wood poles.

PPE determined: Hard hats or helmets, seatbelts.

Employee Training: Employees must complete an on the job assessment of their UTV driving/riding safety skills and successfully complete the Osmose UTV Qualification Program.

General precautions: UTV's shall be inspected daily before use, operated only off-road on utility rights-of-ways and fueled at either a service station or off the right-of-way using an OSHA-approved gasoline container.

Hazard: Vehicle Management

Explain extent of Hazard: General requirements to operate and control standard type pick-up trucks with utility beds.

PPE determined: Seatbelts, various vehicle visibility aids (flags, beacon light, hazard lights).

Employee Training: Employees are required to complete an on the job assessment of their driving and road safety skills by means of the Osmose driver qualification program.

General precautions: Vehicles shall have all required lighting, be inspected before use, used only as recommended by the manufacturer, and locked with keys removed when not in use.

Hazard: Work Area Protection

Explain extent of Hazard: Worker visibility and protection when working in close proximity to vehicular traffic, wildlife, or other environmental hazards.

PPE determined: Class 2 high visibility traffic vests are required for all operations in or adjacent to vehicular traffic, or in proximity to moving construction equipment.

Employee Training: Employees receive on the job orientation and periodic training on safe work practices around various types of traffic and emergency response/evacuation plan.

General precautions: Vests are inspected daily and replaced if need. Location and potential hazards identified along with emergency facilities and wildlife/environmental concerns.

Responsibilities

Supervisors

- Ensure that the hazard assessment and control program is implemented in their areas of responsibility
- Provide the resources to ensure that employees are involved in the hazard assessment and control process
- Ensure Foremen are fulfilling their responsibilities for conducting hazard assessments and implementation of hazard control recommendations.
- Sign off on final copy of Hazard Risk Assessment and Control Forms.
- Ensure that written preventative maintenance procedures are implemented for applicable equipment.

Foremen

- Identify, assess, control and document hazards/risks or potential hazards in or near the workplace.
- Consult with employees when conducting hazard identification, risk assessment and control.
- Include identified hazards and controls on the Job Hazard Analysis, Risk Assessment and Control Plan Form.
- Inform employees of the safety hazards/risks and provide information, education, training and supervision on the hazards, controls and safe work procedures (safety talks, dedicated time during tailgate talks, etc.). Maintain appropriate documentation for information, education, training and supervision provided to employees.
- Identify hazards or potential hazards prior to the implementation of any change. If unable to eliminate hazards, establish appropriate control measures to prevent occupational injury and illness based on following hierarchy of controls:
 - Elimination – removing a hazardous task, tool, machine, substance or process and is the best method for protecting workers.
 - Substitution – substituting for a less hazardous task, tool, machine, substance or process.
 - Engineering – focus on the hazard and include: isolation, barriers, workplace design, dilution, guards, etc.
 - Administrative – focus on the employee exposure and behavior and include: safe work procedures, safe work practices, training, information, supervision, etc.
 - Personal Protective Equipment (PPE) – last line of defense as this does not control the hazard, but rather, protects the employee from the hazard.

Note: PPE is always used in conjunction with engineering and administrative controls.

Employees

- Identify work-related hazards/risks in or near the workplace. Attempt to eliminate or control the hazard if within the scope of your ability and authority to do so (STOP work until corrected).
- Report/Notify all identified hazards/risks to the immediate Foreman/Supervisor and document using the Job Hazard/Risk Observation and Corrective Action Form Below.
- Take appropriate measures for correction and protection of self and others from occupational injury and illness.

- Cooperate with management in the identification, reporting and control measures.
- Participate in the hazard assessment and control process, as required. Recommend improvements when work resumes to the control of hazards/risks to their Foremen/Supervisor.
- Upon the solution being implemented follow-up on the (Stop Work) hazard must be measured.

Risk Assessment - Solution Functionalities

- Job Hazard/Risk Management – create/customize Job Hazards/Risks – Steps – Track – Reassessment – (Dates)
- Rate Hazard/Risk – Rate individual job steps based on severity – define criteria for scoring
- Hazard Control Management – identify Process/Procedures – PPE – Etc...
- Corrective Action Item Tracking/Alerts – Risk mitigation – assign ownership - training
- Reports - tracking
- System Integration – training/feedback – redesign if needed

Risk Matrix & Rating

Table 1: Risk matrix

Probability	High			
	Med.			
	Low			
		Low	Med.	High

Table 2: Risk Ratings

Description	Colour Code
Immediately Dangerous	
High Risk	
Medium Risk	
Low Risk	
Very Low Risk	



Employee Participation in the Job Hazard Analysis, Risk Assessment, and Control Plan Process

It is the responsibility of "all" employees to identify any hazardous conditions or potential risks on the job. Foremen and Supervisors are responsible for training all employees on the hazard and risk identification process. All employees must complete training on identifying and reporting job hazards specific to the service and job they are working performing. During this training employees are trained on "empowerment" to **STOP** work if *(a hazard/risk is identified)* or something looks or feels unsafe.

However, it is each supervisor's responsibility to perform a planned systematic observation and survey of the job site, task-specific work practices, and employee behavior; with the primary goal of hazard/risk detection and control. If employees are observed not executing proper procedures they have been trained on, then the employees must be retrained on the procedure at that time.

Thoughtful preparation for hazard/risk detection produces a greater likelihood of identifying critical (high risk) hazards. It is generally the more obscure high-risk hazard that produces the severe injuries and illnesses. The supervisor of the employee performing the work is in the best position to detect and control high-risk, unsafe acts.

Each supervisor must encourage employees to bring hazards/risks to their attention without fear of reprisals. When an employee advises the foreman/supervisor of a hazard, the foreman/supervisor will immediately document the hazard regardless of the severity (STOP WORK) and note the employee's name on the JOB HAZARD/RISK OBSERVATION AND CORRECTIVE ACTION FORM. The supervisor must discuss the employee's views on the significance or urgency of the hazard/risk in question to avoid any possible misconceptions concerning control timing. After the supervisor has evaluated and/or controlled the hazard/risk, he or she must personally advise the employee of what action was taken.

All hazards/risks identified will be discussed by the foreman/supervisor to determine the correct course of action. If a **STOP** work hazard/risk is identified it is mandatory to review and discuss the entire hazard/risk assessment and control plan process with all employees working on the project. All control measures must be reviewed along with any training required for the (process, PPE, equipment) involved.

In the event the foreman, supervisor and the employee differ regarding the existence of a hazard/risk and, in the supervisor's best judgment action is not necessary, the following steps should be taken:

- a. Avoid any rejecting comments during the initial contact.
- b. Provide impersonal, objective reasons for the rejection after review.
- c. If the employee persists, review the question with the Corporate Safety Director for final disposition.

JOB HAZARD/RISK OBSERVATION AND CORRECTIVE ACTION

FOREMAN: _____ DATE: _____ TERRITORY: _____

WHO REPORTED HAZARD: _____ TITLE: _____

REPORT COMPLETED BY: _____ TITLE: _____

UPON RECEIPT OF THIS REQUEST YOU ARE ASKED TO COMPLETE THIS FORM INDICATING THE CORRECTIVE ACTION TAKEN, IF NECESSARY, ON THE PROBLEM STATED BELOW

PROBLEM: _____

**NOTICE OF CORRECTIVE ACTION MUST BE FURNISHED WITHIN 10 DAYS TO THE
CORPORATE SAFETY DIRECTOR
ANALYSIS OF PROBLEM**

CAUSES: _____

ANALYSIS: _____

CORRECTIVE ACTION (to prevent recurrence): _____

SIGNED: _____ EFFECTIVE DATE: _____

COPIES TO: SAFETY DIRECTOR, PROJECT MANAGER, SUPERVISOR

References

Customer	Contact Person	Services
City of Bartow 915 Stearman Street Bartow, FL 33830	Brad Heirs Director (863) 534-0142 bradhiers.electric@cityofbartow.net	Padmount Int/Ext Inspection; Repair; Leveling; and Painting Status: 2014 – present Engagement Team: Juan Morales (last 3 years)
Pedernales ECI 201 S. Avenue F Johnson City, TX 78636	Ted Hodgkiss Director-System Maintenance (512) 964-3420 Ted.Hodgkiss@peci.com	Padmount Int/Ext Inspection; install fault indicators; IR Scan; install drip pans; fix concentrics; install boot covers; paint; level; install penta assemblies; placards; remove brush; and repair small holes Status: 1994-present Engagement Team: Ruben Fisher (year-round 24 years)
Sam Houston ECI 1157 E Church Street Livingston, TX 77351	Bill Townley Manager of Construction (936) 328-2534 btownley@samhouston.net	Padmount Int/Ext Inspection; IR Scan; install drip pans; fix concentrics; install boot covers; paint; level; install penta assemblies; placards; remove brush; repair small holes and body damage Status: 2007-2020 Annually Engagement Team: John Whitten (last 5 years)
Florida Power & Light 700 Universe Blvd. Juno Beach, FL 33408	Eli Esquivel Project Lead (561) 310-0987 Eli.esquivel@fpl.com	Switch Cabinet inspection, repair, painting, and labeling Status: 2019-2020 Engagement Team: Preston Stevens & Jonathan Fuller

All Products & Services

Wood Structure Services

Wood Pole Inspection

- Strength Assessment (Decay and Damage Assessment)
- Load Assessment
- Ground Resistance Testing
- Ground Rod Installation
- Ground Wire Inspection, Repair, and Molding Installation
- Guy Anchor Eye and Guy Inspection
- Guy Marker Installation

Remedial Treatment and Life Extension

FireGuard® Application

Tag, Marker, and Sign Installation

Surveys and Audits - Overhead Facilities, Clearances, and Safety

Pole Restoration and System Hardening

- Restoration of Decayed Poles
- Pole Class Upgrading

Steel Structure Services

Steel Pole and Tower Assessments

- Structural Condition Evaluation
- Corrosion Potential (Environmental) Evaluation

Substation Assessment and Restoration

Corrosion Mitigation

- Application of Protective Coatings
- Design and Installation of Cathodic Protection Systems

Engineered Restoration Design and Installation

- Concrete Foundation
- Steel Tower and Pole

Underground System Services

Padmount/Cabinet Inspection and Maintenance

- Cabinet Repair and Painting
- Cabinet Leveling
- Insect Control
- Tag and Decal Replacement

Manhole, Service Box, and Vault Inspection and Maintenance

- Minor Maintenance and Repairs
- Conductor Tagging and Marking
- Isolation Transformer Installation

Mobile Contact Voltage Detection

Engineering Services

Structural Load Analysis and Design

Pole Replacement Design

Distribution Design

System Studies and Hardening

GIS Inventories

Joint Use Services

Attachment Audits

Attachment Agreement Review

Audit Cost-Recovery and Attachment Rental (Billing) Transfers, Double-Wood, Violation Notification, and Remediations

Attachment Request Processing and Notifications

Pole Loading Analysis and Clearance Evaluations

Make-Ready Design and Work Order Creation

Software Products

Osmose 360™ Customer Portal

O-Calc® Pro - Pole Loading Analysis and Clearance Evaluation

O-Calc® Pro Enterprise

O-Calc® Pro Professional Services

Other Services and Products

Osmolytics (Asset Management Predictive Modeling)

Project Management

Storm Response Services

Distribution System Inventories

Infrared Inspections

LiDAR Collection and Analysis

Streetlight Surveys

Osmose Pole and Line Products

Pole Restoration Products

- Remedial Treatments and Inspection Supplies
- Pole Top Protection
- Fire Protection
- Woodpecker Repair Products
- Barrier Systems

Osmose®

Padmount Maintenance

Aged, corroded, and severely weathered padmount transformers can contribute to outages, safety hazards, and customer complaints. The majority of America's underground distribution systems are more than 30 years old.

Osmose has provided inspection, maintenance, and restoration services to utility companies throughout the United States for more than 80 years. Our padmount transformer inspection and maintenance programs are supported by the company's commitment to safety, training, project management, and effective applications of technology.

Osmose crews are trained and certified to safely inspect padmount transformers, to identify potentially troublesome conditions, and record accurate inventory information. Debris, insects, and pests are removed to help reduce the possibility of electrical failure. Pesticides can be placed inside the cabinet to help prevent their return.

Laser-guided infrared can be used to detect elevated temperatures on critical transformer components, such as primary elbow connections. Padmount transformers that are not level can overheat and fail. Osmose crews can correct this condition by leveling the pad and back-filling with materials specifically formulated for this task.



AN EFFECTIVE INSPECTION & MAINTENANCE PROGRAM

Osmose inspection and maintenance techniques can help improve the safety, reliability, and appearance of padmount transformers and cabinets, adding years to their useful service life.

Exterior Inspection

- ✓ Site clearing
- ✓ Evaluation of pad condition
- ✓ Cabinet leveling
- ✓ Cabinet repair
- ✓ Replacement of security lock
- ✓ Replacement of penta bolt
- ✓ Painting
- ✓ Tag and decal replacement



The cabinet pictured right was inspected and rehabilitated by Osmose. The result is a safer, more reliable asset. The coating system used by Osmose incorporates a rust-converting primer to help prevent further corrosion. The top coat is specifically designed to protect the cabinet from harsh environmental conditions. Reconditioning the cabinet through repair, painting, and replacement of warning signs can help to maintain cabinet integrity and also satisfies the demand for visually appealing equipment in residential locations.



Interior Inspection

- ✓ Cleaning and removal of debris, insects, and animals
- ✓ Pesticide application
- ✓ Tag and label replacement
- ✓ Infrared inspection
- ✓ Grounding assessment

Contact your local Osmose representative or:

CALL 716.319.3423 | EMAIL poleinfo@osmose.com

Industry Investment

We invest over \$15 million in the utility industry annually through training, research and development, and our workforce



Osmose Training and
Certification Programs
Annual Investment
\$11 million



Osmose University with
PDH Credits
Investment to Date
\$150,000



Osmose Patents
Annual Investment
\$150,000



Research and Development
Annual investment
\$760,000



Software
Annual investment
\$1 million+



Technical Talent
Annual Investment
\$4 million+

Our People

13 YEARS

Our team of first line Supervisors have been with Osmose an average of 13 years. The average tenure of our crew foremen is almost five years.

33 YEARS

Our senior leadership team has an average of 33 years of professional experience providing company-wide guidance and direction.



Our team of engineers on staff have skills and expertise in civil, structural, mechanical, electrical, industrial, and aerospace/aeronautical disciplines.

Technical Talent Investment

- 30+ engineers (structural, mechanical, and electrical)
 - Including nine registered engineers with 48 state coverage
- Chemist, wood scientist, and technologists
- Membership and participation in numerous industry associations including

American Wood Protection
Association (AWPA)

Association of Materials Protection
and Performance (AMPP)

Institute of Electrical and Electronics
Engineers (IEEE)

American Society of Civil Engineers
(ASCE)

Amazon Web Services
(AWS)

International Concrete Repair
Institute (ICRI)

American Concrete Institute
(ACI)

ASTM International

American Institute of Steel
Construction (AISC)

Annual Investment - \$4 million+

Research and Development

19 PATENTS

Our research and development team has been awarded a total of 19 patents on wood pole and steel structure restoration systems, mobile contact voltage detection technology, and wood preservative product formulations.



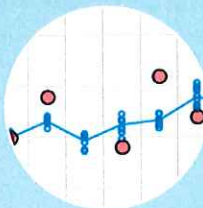
Wood & Steel Assessment Technology
Non-destructive technologies



**Wood Preservatives
Steel & Concrete Protection**
Pastes, fumigants, coatings, cathodic protection, barrier shields



Structure Restoration Solutions
C-Truss®, C2-Truss™, truss improvements, OsmoPlate®, OsmoMatic™, temporary structure supports



Data Science & Analytics
Osmolytics® predictive modeling



Software Solutions
OsmoVision™, O-Calc® Pro, LoadCalc®, StrengthCalc®, Osmose 360™ Customer Portal

R&D Industry Investment



- On-site laboratory and structure test yard in Georgia
- Field test plots: seven domestic locations and one in Eastern Australia
- Existing chemicals licenses and fees
- New product development and testing
- Software development
 - O-Calc® Pro
 - OsmoVision™
 - LoadCalc®
 - StrengthCalc®
 - Advanced data collection and storage tools
 - Osmose 360™ Customer Portal
 - 6+ full-time development, product management and training resources

Annual Investment \$1.7 million+

Foreman Training Program

The goal of the Osmose Pole Inspection and Treatment Foreman Training Program is to promote a Foreman Apprentice in 10 calendar weeks with a three-phase formal training.

PHASE I – REGIONAL TRAINING

Newly hired Foreman Apprentices (Apprentice I) spend six weeks in the field with a specially trained Regional Training Instructor and their support staff. Early weeks focus on the basics of a pole inspection operation and later weeks hone inspection, data entry, and crew management skills. In



addition to field instruction, Apprentices are responsible for about five hours of self-directed online coursework per week to reinforce the tasks being learned in the field and prepare the students for the Phase II evaluation process. Apprentices deemed to be a poor fit for the Foreman role are typically removed from the program in Phase I.

PHASE II – CORPORATE TRAINING SCHOOL

Students are promoted to Apprentice II upon arrival at the Osmose Corporate Training Facility in Peachtree City, Georgia for Phase II training. The objectives of the Phase II training are practice, assessment, formal testing, and certifications. Each student must pass a field competency assessment that covers all aspects of a full pole inspection and treatment program and pass final written exams. In addition, each Apprentice II is certified in First Aid, CPR, P.A.C.E Driving, and UTV operation.

PHASE III – NEW FOREMANSHIP

Newly promoted Foremen spend the first six weeks of their foremanship ramping up to the rigors of the position. The first week is used for tasks such as hiring and training Crew Members, setting up their truck, meeting the customer, and locating storage or disposal facilities. An operations Supervisor assists during this time to ensure the new Foreman is prepared for success going forward. Over the next five weeks, production expectations gradually stair-step to normal production to help a new crew get experience and attain early goal success. This also allows Supervisors time to guide new Foremen to gain experience and confidence for long-term success.

Training Investment



Osmose offers training programs for employees including foreman apprentice training, certifications, and supervisor development.

- Average 33 sessions per year
 - 24 + students each
- Trained 800-1000 students in 2021
- 13 headquarters training resources
- Field Workforce Development team:
 - 4 Supervisors
 - 22 Instructors

Annual Investment - \$11 million

Available Data Delivery Formats

Processed and reviewed inspection data can be delivered in many standard formats as well as custom formats. Are you loading this data back into a system? If so, what system? What unique data IDs need to be linked?

Standard Formats



Excel



ESRI Geodatabase (not available
for steel/corrosion services)



CSV



Shapefiles



Access – Flat or relational

Custom Formats

Custom formats must be planned prior to job start. Since they require additional setup, they may be subject to additional fees.



Web Service Integration



XML

Other Proprietary
Formats

Standard Reports

For the duration of a project with Osmose, customers will be provided with standard reports such as invoices and project to date reports. In addition, these standard reports will be accompanied by a detailed report for each individual pole.

[illegible]

Invoice

Invoices provide billing detail in PDF format, including tracking information, payment information, billable items, and work location.



PROJECT TO DATE - FINANCIAL

ABC Electric and Gas Corp.

Job Number: 1018122

1018122

Starting 01/04/2016 Through 06/02/2016

INSPECTION ITEMS					
Poles Not Excavated	Poles	% Total Poles	Unit Price	Total \$	
VISUAL INSPECTION	80	1.1%	\$19.00	\$1520.00	
VISUAL AND SOUND INSPECTION	8	0.0%	\$190.00	\$1520.00	
VISUAL, SOUND, & DORE INSPECTION	7184	98.9%	\$19.00	\$136,496.00	
	Total	1661	100.0%	\$174,000.00	
Total Inspection \$	7267			\$174,000.00	
Average \$ / Pole				\$10.49	

INSPECTION ADDERS					
	Quantity	Poles	% Total Poles	Unit Price	Total \$
POLE NUMBER TAG INSTALLATION	5698	5698	79.4%	\$1.00	\$5,698.00
GROUND WIRE REPAIR	83	83	1.1%	\$20.00	\$1,660.00
GUY MANNER INSTALLATION	96	95	1.3%	\$10.00	\$950.00
DIGITAL PHOTO	1	1	0.0%	\$130.00	\$130.00
RIS CODES	7209	7209	99.2%	\$10.00	\$72,090.00
Inspection Adders Total \$					\$80,518.00
Average \$ / Pole					\$11.67

INVENTORY ITEMS					
	Quantity	Poles	% Total Poles	Unit Price	Total \$
GPS READING 1-10 METER	7441	7441	102.4%	\$0.00	\$0.00
Inventory Items Total \$					\$0.00
Average \$ / Pole					\$0.00
Inspection & Maintenance - Total \$	7267				\$155,960.00
Average \$ / Pole					\$21.97

Project To Date - Financial

Breakdown of periodic work performed and program expenditures in PDF format including inspection items, number of poles inspected, average price per pole, etc.

Osmose
Utilities Services, Inc.

PROJECT TO DATE - CONDITIONS

ABC Electric and Gas Corp

Job Number 01813122

10/18/12

Starting 01/04/2016 Through 05/02/2016

POLE CONDITIONS			
Serviceable Poles	Quantity	% of Total Poles	
No Decay	6407	89.2%	
Reject Poles	Total	6407	
		89.2%	
Above Ground Rejects	17	0.2%	
Groundline Rejects	451	6.2%	
	Total	468	
		6.4%	
	Total Pole Conditions	6975	
		84.6%	
REJECT POLES			
Non-Priority Rejects	Quantity	% of Total Poles	% of Reject Poles
Restorable	345	4.7%	73.7%
Groundline Non Restorable	107	1.5%	22.9%
Above Ground Non Restorable	16	0.2%	3.2%
	Total	467	6.4%
		93.8%	
Priority Rejects			
Restorable	1	0.0%	0.2%
	Total	1	0.0%
	Total Reject Poles	468	6.4%
OTHER CONDITIONS			
	Quantity	% of Total Poles	
Not In Field	60	0.7%	

Project To Date - Conditions

Breakdown of periodic work performed and program expenditures in PDF format including pole conditions, reject poles, reject percentage, etc.